

FIGURE 1

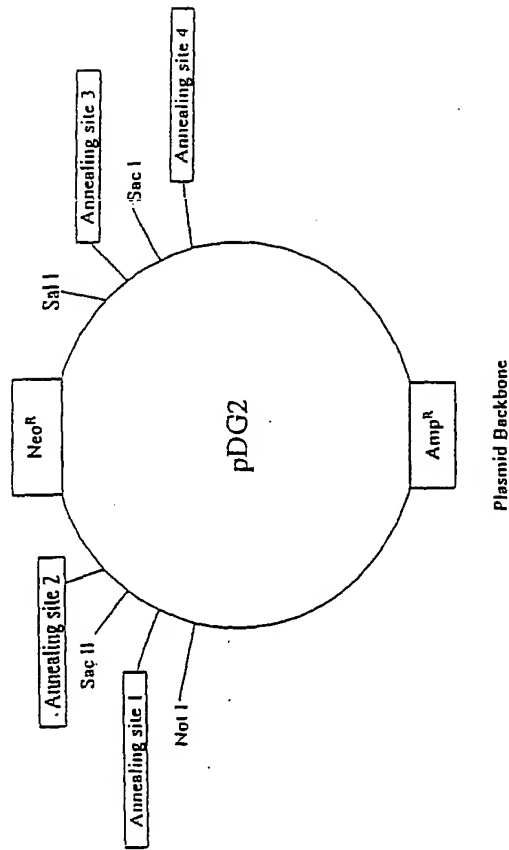


FIGURE 2A

TTGATACGAG	TCAGGTGGAG	CTTTTGGGGG	AAATGTGGAG	GGAAAGGAGG	TTGTGTTATT	TTTCTAATA	CATTCAAAT
TGCTACCGCT	CATGAGACGA	TAACTCGTAT	AAATGTCTCA	ATAATATGTA	AAAGGAAGA	TGATGAGTAT	TCACATTCT
CGTGTGCGCT	TTATTCCTTT	TTTTCGGCGA	TTTTCGGCTC	CTGTTTTTGC	TCACCCAGAT	ACGCTGGTGA	AGTAAATAGA
TGCTGAAGCAT	CAGTGTGGTG	CACGAGTGGG	TTACATCGAA	CTGATGATCT	ACACGGGTAA	GATCTCTTGA	AGTTTTCGCC
CCGAGAAAGC	TTCTCCAATG	ATGAGCACTT	TAAAGTTGCT	GCTATGTGGC	CGGGTATATT	CCCGTGTGAG	CCGCCGGGAA
GCAGCAACTC	GTCCGCGCAT	ACATATCTAT	CAGAAATGCT	TGGTGTAGTA	TCACACGATG	ACAGAAAGAC	ATTCTACGGA
TGGCATGACA	GTAGAGCTGG	TATGACGTGG	TGGCCATAAC	ATAGAGTGTA	ACACTGTGGC	CAACTTACTT	GTGCAATCTG
TCGGAGAGGAC	GAAGAGTGATG	ACGCTGTTTT	TGCACAACT	GGGGGATGAT	GTAACTCGCC	TGATGTTGGT	GGACCGGGAG
CTGAATGAAG	CATGACACAA	GACAGACGGT	GACACACAGA	TGGCTGTATC	ATAGTGCAC	AGCTTGGCCA	CACTATTAACT
TGGCGAACCTA	CTTACTTCTG	TTCTCCGGCA	ACAAATTAAT	CAGCTGGATGT	AGGGCGATAA	AGTGTGACGA	CCACTCTCGC
CTCGCGCCGT	TCGGCTCGGC	TGGTITTTGA	CTGATAAGTT	TGGAGCCGGT	GGGCTGGTGT	CTCGCGTGTG	CATTTCAGCA
CTGGGGCCAG	ATGTTAAGCC	CTCCGCTATG	TGATGTATTT	ACACGAGCGG	GAGTGACGCA	ACTATGTAGT	ACCTAATAGT
ACAGATCGCT	GAGATAGAGT	CTCTACGTAT	TAACTATGAT	TAACTGTGAC	ACCAAGTTAT	CTCATATATA	TTCTAATATT
ATTTACCCCG	TTGTGAATAT	AGAAAAGGCT	CAAAAACAGC	AGAATTTGAT	AGCAAAATAT	TTAAATGTTA	AACTGTAATA
TTTTTGTAAA	TTTTCGGTAA	TTATTTGTTT	ATAACATCTG	ATTTTTAACT	CATAAGTGGC	AAATCGGCAA	AACTCCGTTAT
AAATCAAAG	AAATGACCGA	GATAGGTTGT	AGTGTGTTTC	CAGTTTGGAA	CAGAAGTCCA	CTATTAAGA	AGCTGGACTC
CAAGCTGCA	GGGGACAAAA	CGGTTATCA	GGCGCATGAC	CCCACTACGTG	ACACATCACT	CGAATCAAGT	TTTTGGGGT
CGAGGTGCCC	TAAAGCACTA	ATTCCGAACC	CTAAAGAGGC	CGGCTAGAGC	GCTGGCAGAT	GTAGCGGTCA	CGCTGCGCGT
GAAGAGAGAG	GAAGAAAGCC	AAAGGACGCG	CGGCTAAGAG	CGGTAAAGAG	ATCTAGTGATG	AGATCTCTTT	TGATTAAGCT
CCCGCCGCGC	TTAATCGGCC	GCTACAGGGC	GGTGACAGCG	AGTCAAGCAAT	AGATCTCTTT	TGATTAAGCT	ATGACCCAAA
TCCTCTTAAG	TGAATTTTGT	TTCCATCTAG	GGTGACAGCG	GGTGAAGAGT	ACAAGAAGAT	CTCTTTCTAG	TCCTTTTTTT
CTGCGCTGAG	TTCTGCTGCT	GMAAACAAAA	AGGACACCGC	TACGACGAGT	GTTTTTTTGT	CGCGATCAG	AGACTACCAAC
CTTTTTTTTG	AAAGTATGAT	GCTTCAGCAG	ACGCGCAGTA	CGAAATACAT	TTCTTTCTAGT	GTAGCGCGTAT	TGGTGCCACC
ACTTCAAAGA	CTCTGTAGCA	CGGCTCATAT	ACCTCGTGAT	CTAATATCTG	TTACAGTGTG	GTGCTGCGAC	TGGCGATAAG
TGCTGCTTGA	CCGGGTGGGA	CTCAGACAGA	TAGTAAACCTG	ATAAGGCGCA	CGGTTGGGGC	TGAACGGGGG	GTCTGTCGAC
ACAGCGGCTA	TTTGAGACGA	CAACTCATAC	CGACTCTAGA	TACTTACAGC	TGGAGTGTAT	AGAAAGCGCC	ACGCTTCCCG
AGGAGGAGAA	GGGCGACAGA	TATCGGTGAA	CGGGCAGGCT	GGGAACAGGA	GGAGCGCAGA	GGAGAGTCTC	AGGCGGAAAC
GCTGTGATAT	TTTTATGTCG	TGTCGGGTTT	CGCCACTCTT	GACTTTACGCT	TGGATTITTT	TGATGCTGCT	CAGGCGGGCG
GAGTACTATG	AAAAACGCCA	GAAAGCGGCG	CTTTTTACGG	TTCTTGCGCTC	TTTTGTCGCC	TTTTGTCGAC	ATGTAAATAG
AGTTAGCTCA	CTCATTTAGG	ACCCCAAGCT	TTACACTCTG	TGCTTCGCGC	TOSTATAGT	TGTTGGAATT	TGCTCGGATA
ACAAATTTAC	ACAGGAAAGA	GCTATGACCA	TGAATTAAGC	AGACTACGTA	ATAGACTCTA	CTAGCGCGCC	TGCTTTAAAC
AAATGTGCTC	TTTGTGGCTT	CTCTCGCGCG	CGCAAGCGC	ACNAGAAGAC	TTGTGACCTA	AGCTTCCCGG	GAGCGCTGCT
AGGGCGGCTG	CGAATTTCTG	CAGGAATTCG	GGGCCCCGTC	AGGTCAATTC	CGGCTACGTA	AGGTGCTCTT	TTTCCCAAG
CAGTCTGGAG	CATGCGGCTT	AGACCGCCCG	CTGGCACTTG	CGGCTACGTA	ACTTCTACTC	CGCTCCGAC	ACATTCCACA
TCACCCGCTCA	GGCGACACCG	GCTCGGTTCT	TGTCAGTGTG	TGGGAATGAG	AGCTTCTACT	GTCCCTTAGT	AGGAAAGTTC
CACCCTGAG	CGACGCTCGC	CGTCTGCAAG	ACGTGACAAA	TGGGAATGAG	AGCTTCTACT	AGTCTGCTAT	ATAGTGAAC
GGCTGGGAGG	GGGTGGGTGC	GGGGCGGGCG	TTGGGGCAGT	GGGCCAATAGC	AGGTTGTGTC	CTCTGCTTTT	TGGGCTCAGA
GGCATTTCTG	CACGCTGTCA	AGAGCGCATG	CTGGCGCGCT	CTTCTCTCTC	TCCTTATCTC	CGAGGAGTCT	CGACGAGGCC
CATATATGGA	TGCGCGATAT	AGCAAGATGT	ATTGCGCGCT	GGTTCTTCGG	CTGCTTGGGT	GGAGAGGCTA	TCGCTCATGT
ACTGGGACCA	ACAGCAATAT	GACGCTCTTG	ATTCGCGCGT	TTCTCGGCTG	TCAGCGCAGG	GGGCGCGGCT	TTTTTTTGTG
AGACGCGAAT	TGTCGCTGAG	CTCGAATGAA	CTGCAAGACG	AGGCGACGCG	CTAGCTGTGG	CTGCGCCAGA	GGGCGCTTCC
TGCGGAGCTT	GTGCTGTGAG	TGTCTATGAA	AGCGGAGAGG	GAGCTGCGCTG	TATTTGGGCA	AGTGTCCGGG	CAGAGATCTC
TGTCATCTCA	CTCTGCTCTC	CGCGAGAAAG	TATCATCTAT	GAGCTATGCA	ATGCGATGCT	TGCAATCGCT	TGATCOGGCT
ACCTGCCCAT	TCGACCACTA	AGGCAAAAGC	CGCATGTAGC	GAGCACTGAT	CTGTTGGGAA	AGGTCGAGG	TTTTTGATAT
TGATCTGGAC	GAAGAGCATG	AGGGGCTCGC	TGCGACGGAA	CTATGTGGCA	GGGTCGAGG	GGGCACTGCC	GGGCGGAGT
ATCTCGTGAT	GAGCCATGTC	GATGCTCGCT	TGCGAATAT	CTGTTGTGAA	AGGTCGAGG	GGGCTGCTG	TGATCAGGA
GGCGGGCTGT	GTGTGGTGGC	CGGCTATCAG	GACATAGTCT	TGGCTACCGG	TGATATTGCT	GATGAGCTTG	GGGCGGAAT
GCTGACCGG							

FIGURE 2B

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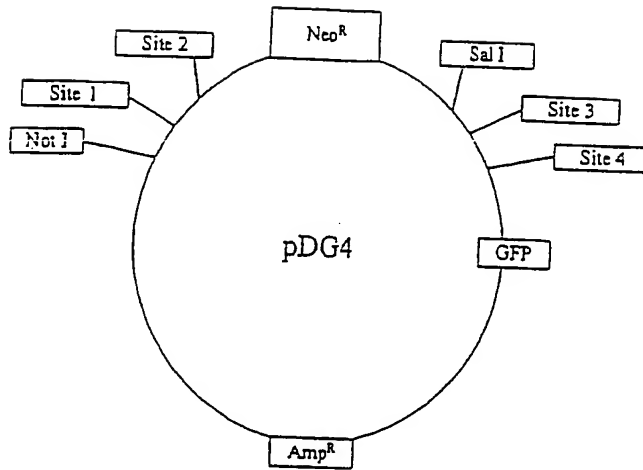


FIGURE 3A

GTTTAATAGT AATCAATTAC GGGGTCAATTA GTTCATAGCC CATATATGGA GTTCCGCGTT ACATAAECTTA CGGTAAATGG
 CCCGCGCTGGC TGACCGCCCA ACGACCCCGC CCCATTGAGC TCAATATGGA CGTATGTGCC CATAGTAACG CCAATAGGGA
 CTTTCCAATG ACGTCAATGG GTGGAGTATT TACGGTAAGC TGCCCACTTG CGAGTACATC AAGTGTATCA TATGCCAAGT
 ACGCCCCCTTA TTGAGCTCAA TGACGGAATA TGGCCCGGCT GGCATTAGCC CCAGTACATG ACCTTATGGG ACTTTCCTAC
 TTGGCAGTAC ATCTAGCTAT TAGTCATCGC TATTACCATG GTGATGCGGT TTTGGCAGTA CATCAATGGG CGTGGATAGC
 GGTTTGACTC ACGGGGATTT CCAAGTCTCC ACCCCATTGA CGTCAATGGG AGTTTGTTTT GGCACCAAAA TCAACGGGAC
 TTTCCAAAAT GTCGTAACAA CTCGCCCACT TTGACGCAAA TGGGCGGTAG GCGTGTACGG TGGGAGGTCT ATATAAGCAG
 AGCTGGTTTGA GTGAACGCTC AGATCCGCTA GCGCTACCGG TCGCCACCAT GGTGAGCAAG GCGGAGGAGC TGTTCACCGG
 GGTGGTGCCC ATCTGTGTGG AGCTGGACGG CGACGTAAAC GGGCACAAGT GACGCGTGTC GCGCGAGGGC GAGGCGGATG
 CCACCTACGG CAAGCTGACC CTGAAGTTCA TCTGCACCAC CGGCAAGCTG CCAGTGGCCTT GGGCCACCTT CGTGACCAAC
 CTGACCTACG GCGTGCAGTG CTTCAGCCGC TACCCCGACT ACATGAAGCA GCACGACTTC TTCAAGTCGG CCATGCCGGA
 AGGCTAGCTC CAGGAGCGCA CACTCTCTTT CAAGGAGGAC GGAACCTACA AGACCCGCGC CGAGGTGAAG TTGAGGGGCG
 ACACCTCGGT GAACCGCATC GAGCTGAAGG GCATCGACTT CAAGGAGGAC GGCACACTCC TGGGGCACA GCTGGAGTAC
 AACTACAACA GCCACAAGCT CTATATCATG GCGGACAGG AGAAGAACGG CATCAAGGTG AACTTCAAGA TCGGCCACAA
 CATCGAGGAG GGCAGCGTGC AGCTCGCGGA CCACTACCGG CAGAACAGCC CCATCGGCGA GGGCCCGGTG CTGCTGCCCG
 ACAACCACTA CCGTAGGACC CAGTCCGCCC TGAGCAAGA CCCCACAGAG AAGCGGATG ACATGGTCTT GCTGGAGTTC
 GTGACCCGCG CGGCGGCTAC TCTCGGCATG GACGAGCTGT ACAAGTCCGG ACGGACTATC ACCGGAATGA GATAACTGAT
 CAAATCTCAG CATACACAT TTGTAGAGGT TTTACTTGCT TTAAAAAACC TCCCACACTT CCCCCTGAAC CTGAAACATA
 AATGAATGC AA TTGTGTGT GTTAACTTGT TTAATGCAAG GTTATGTGGT TGTCCAACT CATCAATGTA TCTTAAOCGG AACTAGCTCA
 ACAATTAAG CAITTTTTCT ACTGCTACTT AGTTGTGGT TGTCCAACT CATCAATGTA TCTTAAOCGG AACTAGCTCA
 GGTGGCACTT TTCCGGGAAA TGTGGCGGGA ACCCCTATT GTTTATTTT CTAAATACAT TCAATATGAT ATCCGCTCAT
 GAGACAATAA CCGTGATAA TGCTTCAATA ATATTGAAGA AGGAAGAGTA TGAGTATTCA ACATTTCGCT GTCCGCCCTTA
 TTCCCTTTTT TTCCGGCATT TGCTTCTCTG TTTTGTCTCA CCGAGAACCG CTGGTGAAAG CTAAAGATGCT TGAAGATCAG
 TTGGGTGAGC GAGTGGGTGA CATCGAACTG GATCTCAACA GCGGTAAAGT CTTTGAAGAT TTTCCGCGCG AAGAACGTTT
 TCCAACTGAG AGCACTTTTA AGTTTCTGCT ATGTGGCGGG GTATTATCCC GTTGTGACGG CGGGCAGAG CAACTCGGTC
 GCGCATACA CTATCTCAG AATGACTTGG TTGAGTACT ACCAGTACA GAAAGACTATC TTACGGATGG CATGACAGTA
 AGAGAATTAT GCAAGTCTGC CATAACCATG AGTGATAACA CTGCGGCCAA CTATCTCTG ACAGAGCTG CGAGACGGA
 GAGAGTAAAC GCTTTTTTGC ACACATGGG GGAATCATGA ACTCGCCTTG ATCGTTGGGA CGCGAGCTG AATGAACCA
 TACCAACGGA CCGAGGTGAC ACCAGATGC CTGTAGCAAT GGCACACAG CTGCGCAAC TATTAACTG GATCACTACT
 ACTCTAGCTT CCGCGCAACA ATTAATAGAC TGGATGGAGG CGGATAAAGT TGCAAGCACTA CTCTGCGCT CCGCCTCTTC
 GGTGGGTGG TTTATTTCTG ATAAATCTGG AGCCGCTGAG CTTGGGTCTC GCGGTATCAT TGCAAGCACTA GGGCCAGATG
 TTAAGCCCTC CCGTATCTGA GTTATCTACA CGACGGGGAG TCAGGCAACT ATGGATGAAC GAAATAGACA GATCGCTGAG
 ATAGGTGCTC CACTGATTAA GCATTGTGTA CTGTGAGACT AAGTTTACTC ATATATACTT TAGATTGATT TACCCCGGTT
 GATAATCAGA AAGCCCCCAA AAACAGGAAG ATTGTATAG CAATATTTA AATTGTAAAC GTTAATAATT TGTAAAAATT
 CGCGTTAAAT TTTTGTAA TTAGCTCAT TTTTAAACAA TAGGCGGAAA TCGGCAAAAT CCCCATATAA TCAAAAAGAT
 AGCCCGAGAT AGCGTTGAGT GTTGTTCAG TTTGGAACAA GAGTCCACTA TTAAGAACG TGGACTCCAA CGTCAAAAGG
 CGAAAAACCG TCTATCAGGG CGATGGCCCA CTACGTGAAC CATCACCA AATCAAGTTT TTTGGGTGGA GGTGCGGTAA
 AGCACTAAAT CGGAACCTTA AAGGGAGCCC CCGATTAGA GCTTGACGGG GAAAGCGAAC CTGGCGGAAA AGGAAGGGAA
 GAAAGCGAAA GAGGGGGGGG CTAGGGCGCT GGCAGTGTGA GCGGTACGCG TCGCGGTAAAC CACCAACACC GCGCGCTTA
 ATCGCGCGCT ACAGGGGGGG TAAAGGATC TAGGTGAAGA TCCTTTTTGA TAATCTCATG ACCCAAACTT CTTAACGTGA
 GTTTTCGTTT CACTGAGCT CAGACCCCGT AGAAAGATC AAAGGATCTT CTTGAGATCC TTTTTCCTG CGCGTAATCT
 GGTGCTTGCA AACAAAAAAA CCAACGCTAC CAGCGGTGGT TTGTTTGGCG GATCAGAGC TACCAACTCT TTTTCCGAG
 GTACTGGCT TCAAGCAGC GCAGATACCA AATCTGTTT TTCTAGTGA GCGGTAGTTA GGCACCACT TCAAGAACTC
 TGTAGCACCG CTTACATACG TGGCTCTGCT AATCTGTGA CCACTGGCTG CTGCGAGTGG GATTAAGTGG TGTCTTACG
 GGTGGACTC AAGACATAG TTACCGGATA AGGCGCAGCG GTGCGGCTGA ACGGGGGTGT CGTGCAACA GCGCAGCTG
 GAGCGAACGA CCAACATAAG ACTGAGATAC CTACAGCGTG AGCTATGAGA AAGCGCACCG GCTTCCGAAG GAGAAAGGCG
 GGAAGGTAT CCGGTAAAGCG GCAAGGTGG AACAGGAGG CGCACGAGGG AGCTTCCAG GGGAAAGCTT GGTATCTTT
 ATAGCTCTGT CGGCTTTCGC CACTCTGAC TTGAGCTCG ATTTTGTGA TGCTGCTCAG GGGGCGGAG CTTCCGGAAG GAGAAAGGCG
 AACGCCAGCA ACGCGGCTT TTTAGCGTTC CTGCGCTTTT GCTGGCTTTT TGCTCAGATG TAATGTGAGT TAGCTCACTC
 ATTAGGCAAC CCAAGCTTTA CACTTATGC TTCCGCGCTT TAGTTGTGT GAAATTTGTA GCGGATTAACA ATTTACACA
 GGAACAGCT ATGACCATGA TTACGCCAAG CTAGCTAATA GCACTCACTA GCGGCGCGCG TTTTAAACAT GTGCTCTCT
 TTGGCTTGCT TCCGCGGGCC AACCGAGCA AGAACAGTT GACCTCAAGC TTCCCGGAGC GCGTGTAGC GCGCGCGCGA
 ATTTCTGCGAG TACTGAGGG CCGCTCGAGG AGGGGCTTTT CGGGTAGGGG TCAATTTCTAC CTGCGACACA TTTCCATCTC ACCGGTAGG
 CGGCTTTAGC AGCCCGCGCT GCACTTGGCG CTACACAAGT GGGCTCTGGC CCGTCACTAG CCGTCTCCCG
 CCAACCGGCT CCGCTCTTTC GTGGCGCTT CTACTCTCT CCGTCACTAG TCTCTGCTG TGTGTCGAG TGTGAGGAG
 AGCTCGGCTG GTGAGGAGCG TGAACAAATG AAGTAGCAG TCTCAGTAGT TCTGCTCTT GCTGCTCTG TGTGAGGAG
 TGAAGCGGG TAGGCTTTT GGGCAGCGCG CAATAGCAG TTTGCTCTT GCTGCTCTG TGTGAGGAG

FIGURE 3B1

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TGGGTCCGGG GGCgggCTCA GGGGGGGGCT CAGGGGGGGG GCGGGGCGGA AGGTCTCTCC GAGGCCCGGC ATTCTCGCAC
GCTTCAAAAG CGCAGTCTG CCGCGCTGTT CTCTCTCTCC TCATCTCCGG GCCTTTCGAC CTGCAGCCAA TATGGGATCG
GCCATTGAAC AAGATGGATT GCACGCAAGT TCTCCGGCGG CTGGGTGGA GAGGCTATTG GGCTATGACT GGGCACAAAC
GACAATCGGC TGCTCTGATG CCGCGTGTT CCGGCTGTCA GCGCAGGGGC GCCCGGTTCT TTTTGTCAAG ACCGACCTGT
CGGTGCGCT GAATGAAGT CAGGACGAGG CAGCGCGGCT ATCTGGCTG GCGCAGAGG GCGTTCCTTG CCGGACCTGTG
CTCGACGTTG TCACTGAAGC GGGAAAGGAC TGGCTGCTAT TGGGCGAAGT GCGGGGGCAG GATCTCCTGT CATCTCACCT
TGCTCCTGCC GAGAAAGTAT CCATCATGGC TGATGCAATG CCGCGGCTGC ATACGCTTGA TCCGGCTACC TGCCCATTCG
ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTACTCG GATGGAAGCC GGTCTTGTGG ATCAGGATGA TCTGGACGAA
GAGCATCAGG GGCTCGGCGC AGCCGAAGTCT TCGCCAGGC TCAAGGCGCG CATGCCGAC GCGGATGATC TCGTGTGAC
CCAATGGCAT GCCTGCTTGC CGAATATCAT GGTGAAAAT GGCCTCTTTT CTGGATTCTAT GCGACTGTGGC CGGCTGGGTG
TGGCGGACCG CTATCAGGAC ATAGCGTTGG CTACCCGTGA TATTGCTGAA GAGCTTGGCG GCGAATGGGC TGACCGCTTC
CTGCTGCTTT ACGGTATCGC CGCTCCGAT TCGCAGCGCA TCGCTTCTA TCGCTTCTT GACGAGTTCT TCTGAGGGGA
TCGATCCGTC CTGTAACTCT GCAGAAATG ATGATCTATT AAACAATAAA GATGTCCACT AAAATGGAG TTTTCTCTGT
CATACTTTGT TAAGAGGGT GAGAACAGG TACCTACAT TTGAATGGAA GGATTGGAGC TACCGGGTG GCGGTGGGT
GGGATTAGAT AAATGCCGTC TCTTTACTGA AGGCTCTTTA CTATTGCTTT ATGATAATG TTCAIAGTTG GATATCTAA
TTTAAACAAG CAAAACGAAA TTAAGGGCCA GCTCATTCT CCCACTCATG ATCTATAGAT CTATAGATCT CTGTGGGAT
CATTTGTTTT CTCTTGATTG CCACCTTTTG GTTCTAAGTA CTGTGGTTTC CAATGTGTG AGTTTATAG CCGTAAGAAC
GAGATCAGCA GCTCTGTTTC CACATACACT TCATTCTCAG TATTGTTTTG CCAAGTCTA ATTCGATCAG AAGCTGACTC
TAGATCTGGA TCCGGCCAGC TAGGCCGTG ACCTCGAGTG ATCAGGTACC AAGGCTCTCG CTCTGTGTCC GTTGAGCTCG
ACGACACAGG ACAACGCAAT TAATTAAGGC CCGCCGGTAC CCTCTAGTCA AGGCTTCTAG TGAAGCTGAT TACGAGCTGG
CGTGTGTTTT ACAACGTCGT GACTGGGAAA ACCCTGGGT TACCCAACTT AATCGCCTG CAGCACATCC CCGTTTCGCC
AGCTGGCGTA ATAGCGAAGA GGCCCGCACC GATCGCCCTT CCCAACAGT GCGCAGCCTG AATGGCGAAT GCGCTTCGC
TTGTTAATAA AGCCCGCTTC GCGCGGCTTT TTTTT

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FIGURE 3B2

Amending site	Sequence	Sequence after digestion
1	5' tgtgctctctttggcttgcttccaa... 3' 3' acacgaggagaaacgacgaagggt... 5'	5' tgtgctctctctttggcttgcttccaa... 3' 3' tt... 5'
2	5' ctggtctctgtctggcttgcccaa... 3' 3' gaccaagaacagaccgaacgggtt... 5'	5' ctggtctctgtctggcttgcccaa... 3' 3' tt... 5'
3	5' ggctctcgctctgtgctccgttgaa... 3' 3' ccaggagcgagacacaggaactt... 5'	5' ggctctcgctctgtgctccgttgaa... 3' 3' tt... 5'
4	5' ttgctgctctgtgctcgaa... 3' 3' aaacgcacaggacacagcagctt... 5'	5' ttgctgctctgtgctcgaa... 3' 3' tt... 5'

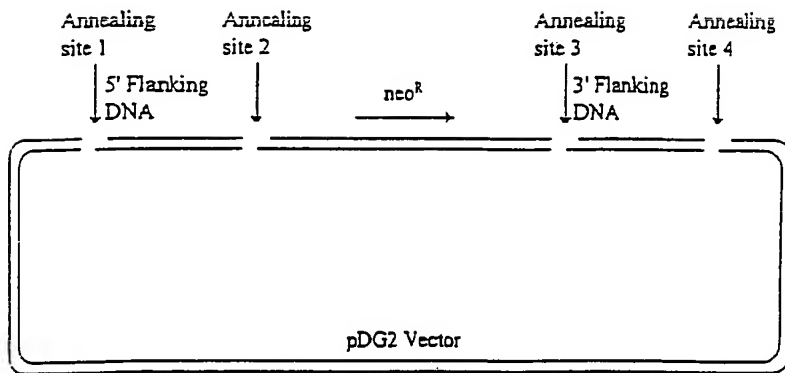
FIGURE 4

Annealing site	Sequence	Sequence after digestion
1	5' AATgtgctcctcttcttggcttgccttCCGC 3' 3' Ttacagaggagaaacccgaacgaagg 5'	5' AA 3' 3' Ttacagaggagaaacccgaacgaagg 5'
2	5' AActggttcttctgtctggcttggCCCCG 3' 3' Ttgaccaagaacagagaccgaaccggg 5'	5' AA 3' 3' Ttgaccaagaacagagaccgaaccggg 5'
3	5' AAGgtcctcgtctctgtgtcgttGAGCT 3' 3' Ttccaggagcggagacacaggcaac 5'	5' AA 3' 3' Ttccaggagcggagacacaggcaac 5'
4	5' AAttctgctgtcctgtgtcgtcGAGCT 3' 3' Ttaacgcacaggacacacagcagc 5'	5' AA 3' 3' Ttaacgcacaggacacacagcagc 5'

FIGURE 5

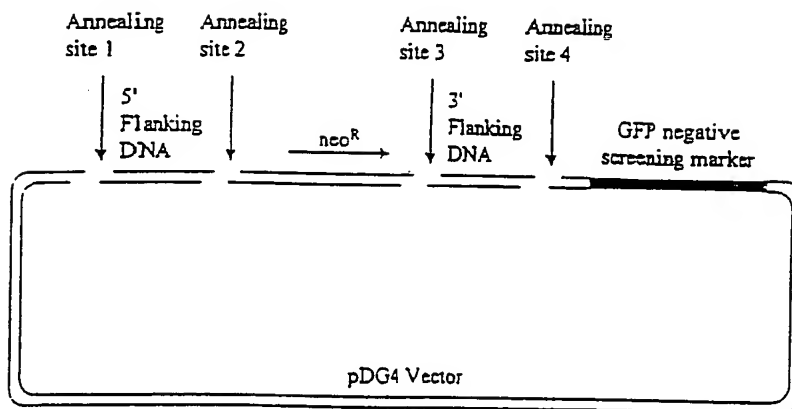
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FIGURE 6



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FIGURE 7



Oligo#	Sequence (5' to 3')
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctcctcttttggttgcttccAATTAAACCCTCACTAAAGGGAACGAAT
463	ctgggttcttgtctggcttggcccaaTGCAACAGGTTCTCTGAGCGGTCAT
464	ggtcctcgctctgtgtccgttgaaCCTCAAGCTGGCCTACTATGCCTAT
42	tttgcggtgctcctgtgtgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAAATGGACTCTTAGTTTTGGAAC
155	GTTCCTGGCAACAAATTCGGCGCAC
454	tgtgctcctcttttggttgcttccAATTAAACCCTCACTAAAGGGAACGAAT
465	ctgggttcttgtctggcttggcccaaGTTCCAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttgaaGTGCGCCGAATTTGTTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTTCT
41	tgtgctcctcttttggttgcttgaCGACTAATACGACTCACTATAGGGCG
38	ctgggttcttgtctggcttggcccaaGAAGTAAGTTGGCACACCAAGGTTTC
40	ggtcctcgctctgtgtccgttgaaAGAACAGGGGTTGAGCCAAAGTTC
37	tttgcggtgctcctgtgtgtcgAATTAAACCCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCCTACTACTGGGCC
546	TGTCATAGTAGACAGCGATGGAACG
445	GACAAGAACCAAGTTGACGTCAAGCTTCCCGGGACGCGTGCTAGCGGCGCGCCG
667	ctgggttcttgtctggcttggcccaaGGCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaaCGTTCATCGCTGTCTACTATGACA
907	ctgggttcttgtctggcttggcccaaAAAGCCGACAGCCACGCTCACAAGC
908	ggtcctcgctctgtgtccgttgaaGCCCAATGCCACAGAGACAGAATGT
1157	ctgggttcttgtctggcttggcccaaGTTGGATCCTCTCCAAGGCCCATCT
1158	ggtcctcgctctgtgtccgttgaaCTCCAGTGCCGAGTGTGTGGGACAG

Figure 8